

Species *Methanolapillus ohkumae*

Etymology

[oh.ku'mae] N.L. gen. masc. n. *ohkumae*, of Ohkuma, named after Moriya Ohkuma in recognition of his important contributions to arthropod gut microbiology

Nomenclatural type

[NCBI Assembly: GCA_032594355.1](#)^{TS}

Reference Strain

[DSM 114424](#) = [JCM 39382](#)

Description

Irregular cocci cells 1–2 µm in diameter, non-motile. Use methanol and methylamines as methanogenesis substrates together with hydrogen. Requires acetate, formate, and coenzyme M; yeast extract is stimulatory. The optimum temperature is 37 °C. The G+C content of the type genome is 41.0%, and the estimated genome size is 1.84 Mbp.

Classification

Archaea » *Methanobacteriota* » “Methanomicrobia” » *Methanosarcinales* » *Methanosarcinaceae* » *Methanolapillus* » *Methanolapillus ohkumae*

References

Effective publication: Protasov et al., 2023 [1]

Registry URL

<https://seqco.de/i:32603>

References

1. Protasov et al. (2023). Diversity and taxonomic revision of methanogens and other archaea in the intestinal tract of terrestrial arthropods. *Frontiers in Microbiology*. DOI:10.3389/fmicb.2023.1281628